

Saving the World One Grid Square at a Time

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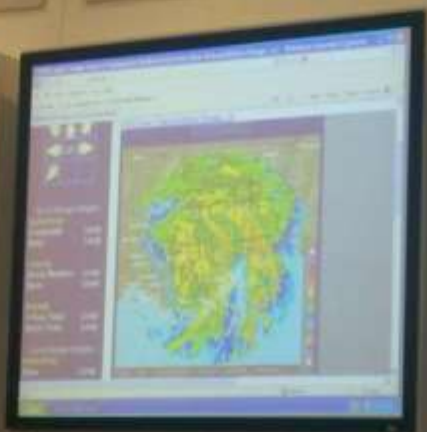
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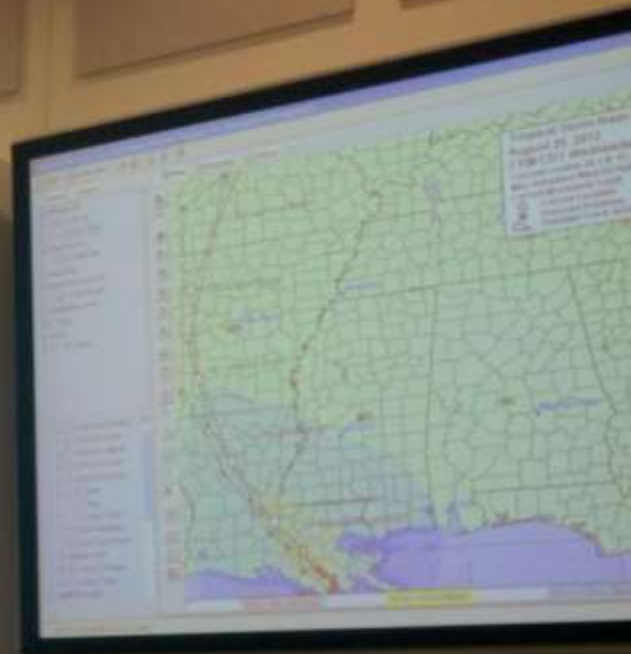







SIT REP and IAP
input due today by 04:00 CDT

Next Operational Briefing
08/29/2012 @06:45 CDT





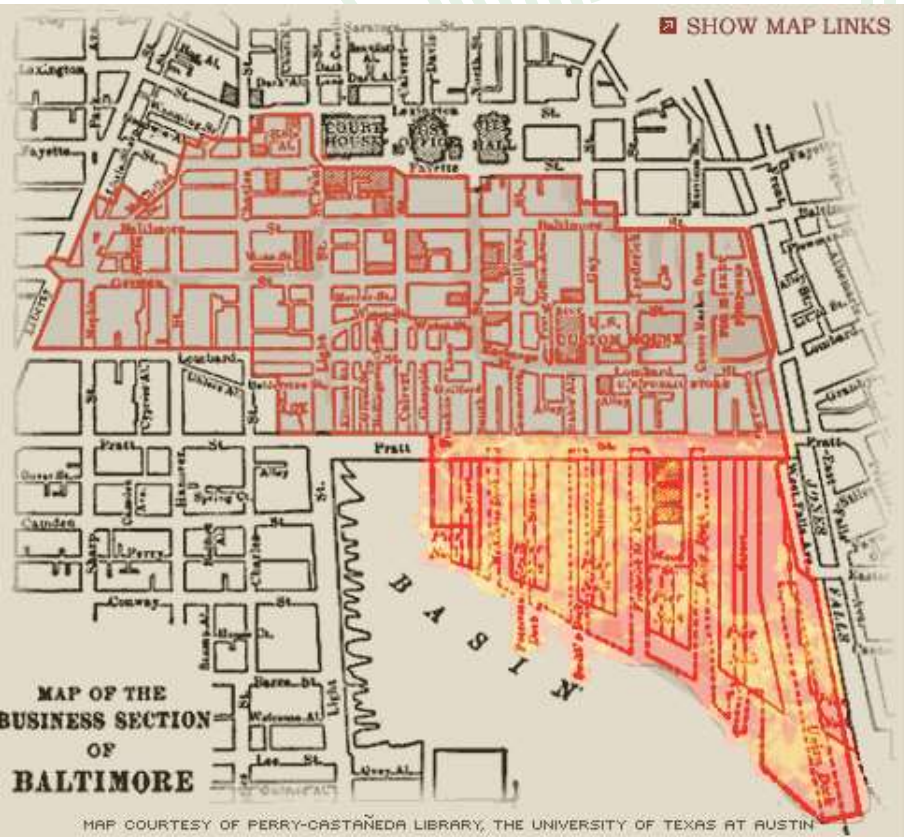
Overview

- The importance of standards and the lost art of cartography
- Understand your audience and their challenges
- What's old is new again: fundamental skills
- Interdependencies of infrastructure: collaboration and professional networks
- New paradigms



Background: Standards Are Important

In those days, the thread on fire hydrants and fire hoses was not standardized; each county and city had its own kind of thread. When the first out-of-town firefighters rushed from Washington to help, they could do little because hoses from their apparatus could not hook to Baltimore's hydrant system or local fire trucks...



Maryland Digital Cultural Heritage Project at <http://www.mdch.org/fire/#>



Fire departments learned that they needed to standardize when Baltimore burned in 1904.

331 Years of Experience in the US



- Emergency services are standards based organizations
 - Standard of care
 - Interoperability/interchangeability
 - Organizational consistency (NIMS/ICS)
 - Scalability
 - Continuity of operations
- When the incident occurs IS NOT the time for innovation



George Washington was a volunteer firefighter
with Friendship Veterans Fire Co.

A number of people here are not
seeing this presentation as
intended.

Are they seeing your maps?

Will you bet your life on it?



Approximately 10% of the male population is red/green color blind.



Standards Bodies

- Federal Geographic Data Committee
 - <http://www.fgdc.gov>
- Open Geospatial Consortium
 - <http://www.opengeospatial.org>
- ANSI and ISO for paper sizes
- US National Grid and the National Search and Rescue Committee
 - Search “NSARC” and “Georeferencing”



OGC's Carl Reed was there to tell Roger Tomlinson how to format the data when he “invented” GIS...



Geospatial Standards – What About Presentation?

- Colors
- Symbols
- Scale
- Coordinate system
- Projection
- Page size



Map of Australia, pet rock, or "other"?

<http://www.abc.net.au/rural/content/2009/s2742168.htm>



Office of Management and Budget Circular A-16 (rev. 2002) mandates the coordination of geospatial information and technologies among Federal agencies through the Federal Geographic Data Committee (FGDC).

An aerial photograph of a complex highway interchange, likely a cloverleaf or similar design, featuring multiple overpasses and ramps. The image is overlaid with a yellow grid, suggesting a spatial analysis or mapping application. The surrounding area includes some greenery and a few buildings. The grid lines are evenly spaced and cover the entire visible area of the interchange and its immediate surroundings.



SCALE EQUALS 1:2,500 WHEN PRINTED AT 42" X 42"

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examples: 'Alkmaar', 'Regent Street, Cambridge', 'CB2 5AQ', or 'post offices near Lünen' [more examples](#)...

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